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(54) BASE SEQUENCE CODING BONDED INTERFERON

(57)Abstract:

PURPOSE: To provide a bonded interferon composed of a base sequence coding a bonded interferon obtained by linking β-type interferon and γ-type interferon and having broad working spectrum exhibiting a biological activity with single polypeptide.

CONSTITUTION: A base sequence coding a bonded interferon produced by linking β-type interferon and γ-type interferon. The β-type polypeptide is bonded to the N-terminal of the new bonded polypeptide and the γ-type polypeptide is disposed to the C-terminal or vice versa. For producing the bonded interferon by genetic engineering technique, a proper controlling site for expression is bonded to a DNA having a structure obtained by linking base sequences coding respective β-type and γ-type interferons directly or via a base sequence coding a spacer peptide. The expression in the recombinant can be achieved by this technique. A gene on a chromosome or a cDNA can be used as a gene for coding β-type or γ-type interferon, however, use of cDNA is preferable.

LEGAL STATUS

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